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RETRACTABLE NEEDLE MEDICAL DEVICE FOR INJECTING FLUID FROM A PRE-FILLED CARTRIDGE

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A device (10, 110, 210) for injecting fluid from a pre-filled cartridge (60, 160, 260) is provided. The device includes a needle (65, 165, 265) for piercing a patient. After an injection, the needle can be retracted to prevent inadvertent contact with the contaminated needle. A needle retainer (50, 150, 250) releasably retains the needle in the retracted position. The needle (65, 165, 265) can subsequently be re-extended to administer a subsequent injection. After the cartridge (60, 160, 260) is emptied, the cartridge can be removed, if desired, and replaced with another cartridge for additional injections. Alternatively, the needle (65, 165, 265) can be retracted into the device and safely disposed of in a sharpe container.

